

# B Street / Broadway Piers, Downtown Anchorage, and Switzer Creek TMDLs

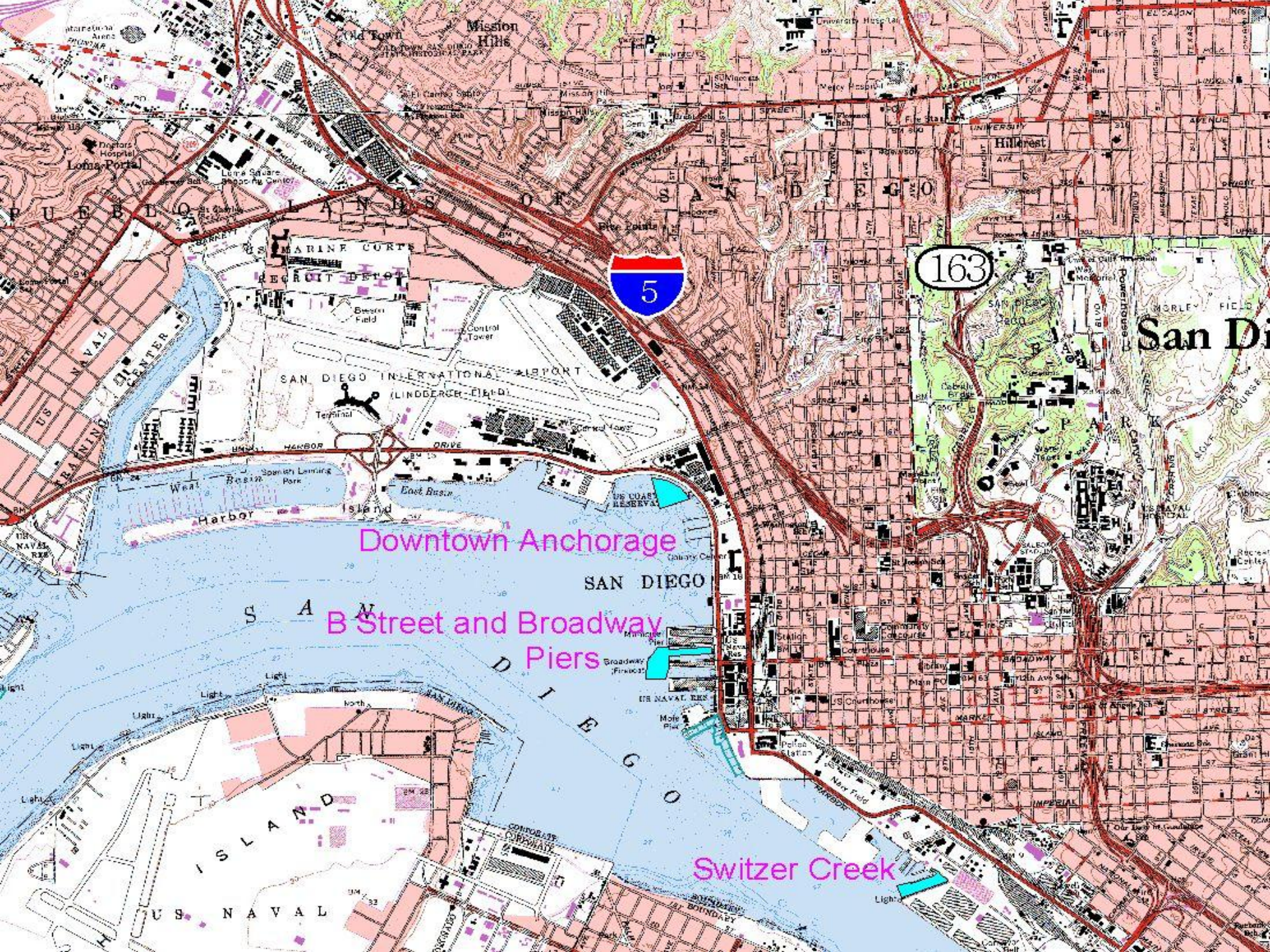
**Public Workshop  
& CEQA Scoping Meeting  
April 21, 2003**

**Presented by Brennan Ott**

# Workshop Outline

- Introduction to Downtown Anchorage, Switzer Creek, and B Street / Broadway Piers TMDLs
- Sampling and Analysis (UC Davis)
- CEQA Scoping Meeting
- Questions and Comments





Downtown Anchorage

B Street and Broadway  
Piers

Switzer Creek



# Site History

- 1996 and 1998 BPTCP reports
- Downtown Anchorage and Switzer Creek identified as Toxic Hot Spots and listed on 303(d)
- B Street / Broadway Piers listed on 303(d)

# Downtown Anchorage (Formerly Grape Street) BPTCP Results

Parameter	BPTCP Station 90002
Amphipod Toxicity	x
Benthic Community	x
Chlordane	x
Metals	x

# Switzer Creek BPTCP Results

Parameter	BPTCP Station	
	90017	90039
Amphipod Toxicity		x
Benthic Community	x	x
Chlordane	x	x
Metals	x	x

# B Street / Broadway Piers (Formerly Downtown Piers) BPTCP Results

Parameter	BPTCP Station		
	90003	93205	93206
Amphipod Toxicity			
Benthic Community	x	x	x
Chlordane	x		x
PAH	x	x	x

# Beneficial Uses

<b>Aquatic Life</b>	<b>Aquatic-Dependent Wildlife</b>	<b>Human Health</b>	<b>Other</b>
Estuarine Habitat (EST)	Wildlife Habitat (WILD)	Shellfish Harvesting (SHELL)	Navigation (NAV)
Migration of Aquatic Organisms (MIGR)	Preservation of Biological Habitats of Special Significance (BIOL)	Contact Water Recreation (REC-1)	Industrial Service Supply (IND)
Marine Habitat (MAR)	Rare, Threatened or Endangered Species (RARE)	Non-Contact Water Recreation (REC-2)	
		Commercial and Sport Fishing (COMM)	



## Phase 1

### Measure Spatial Extent and Magnitude of Impact

Measure sediment quality indicators

Identify and map impaired areas

## Phase 2 - TMDL Development

Determine cause of impairment (TIE)

Determine sources

Develop numeric targets

Determine allocations

## Cleanup Actions

Identify indicator chemicals

Calculate cleanup levels

## Phase 3

### TMDL

### Implementation

Source control

Source reduction

## Phase 4

### Cleanup Implementation



# TMDL Elements

- Problem statement
- Numeric targets
- Source analysis
- Linkage analysis
- Margin of safety
- TMDL
- Allocations
- Implementation plan

# Site Assessment

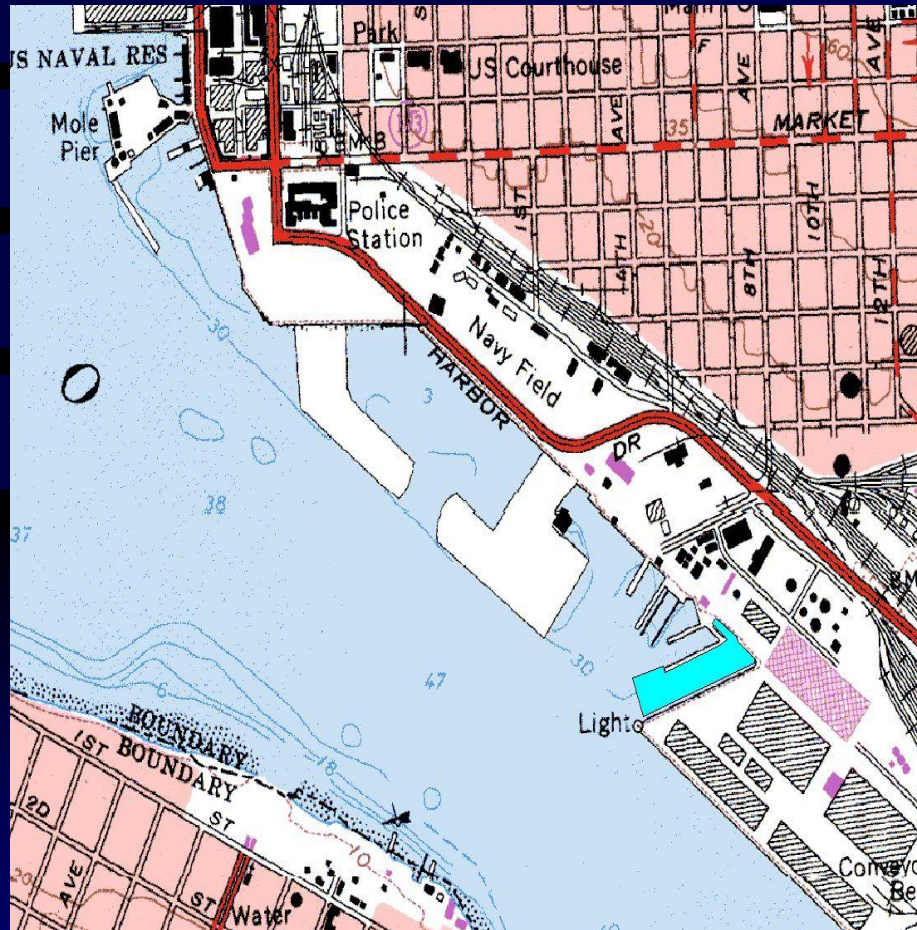
- Data collection starting June 2003
- Sampling and analysis similar to Bight 98, Shipyard, and Chollas/Paletta studies
- Data needed
  - Sediment chemistry
  - Bioaccumulation
  - Toxicity
  - Benthic community
  - Toxicity Identification Evaluation (TIE)

# Project Challenges

- Determining cleanup levels
- Identifying sources
- Controlling sources
- Evaluating cleanup alternatives
- Cleanup of sediments
- Re-suspension of sediment



# Switzer Creek



## Site specific issues

- Proposed Campbell shipyard cap
- Dredging at 10th Ave Marine Terminal
- Switzer Creek
- Ship activity

# Downtown Anchorage

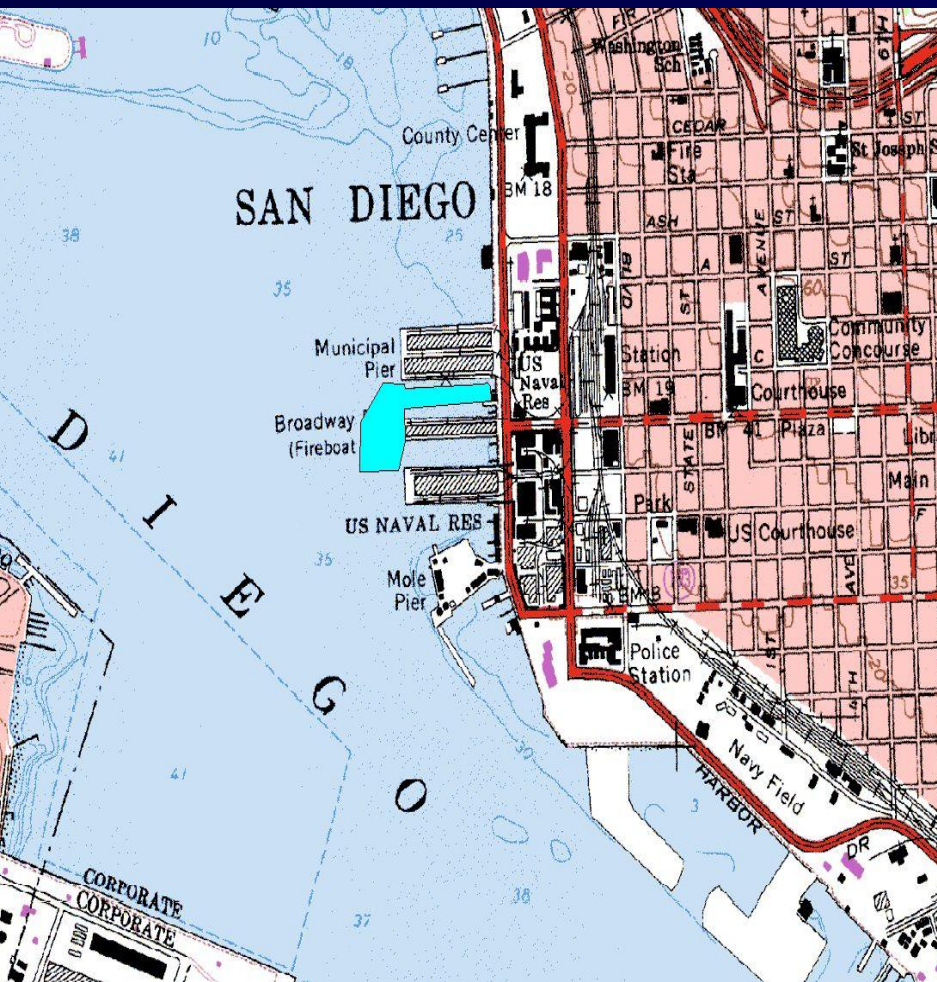


## Site specific issues

- Other investigations
- Stormdrains



# B Street / Broadway Piers



## Site specific issues

- Ship activity
- Stormdrains

# Target Schedule



## Phase 1

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### Cleanup Implementation



# Target Schedule

- Phase I - March 2004
- Phase II - March 2005

# San Diego Bay TMDLs Working Group

- Committed group to advise the Regional Board and participate during the TMDL process
- Emphasis on implementation planning
- Key representatives from various stakeholder groups

# Public Participation

- Subscription lists
- Web-site: [www.swrcb.ca.gov/rb9](http://www.swrcb.ca.gov/rb9)
- Email:  
SDBAY\_TMDLS@rb9.swrcb.ca.gov
- Informal public input
- Formal comment period
- Brennan Ott: [otbre@rb9.swrcb.ca.gov](mailto:otbre@rb9.swrcb.ca.gov) or  
(858) 268-5362